

## Message Text

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ACTION EUR-06

INFO OCT-01 ISO-00 EB-05 DRC-01 RSC-01 /014 W

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R 291300Z APR 74

FM AMEMBASSY THE HAGUE

TO USDOC WASHDC

INFO SECSTATE WASHDC 3452

AMEMBASSY BRUSSELS

UNCLAS THE HAGUE 2120

SUBJECT: FOREIGN GOVERNMENT TENDER

1) 421 /01/T0008

2) 042974

3) R. GIRFFIN

4) 421 NETHERLANDS

6) Y SHAPE TECHNICAL CENTER (STC)

6) A. WRITE TO

B. USRADCO

SHAPE TEHCNICAL CENTER

APO NEW YORK, 09159

7) 9980/PC0/515/74/3081

8) JUNE 6, 1974 5:00 PM

9) 202

10) 3573281-0000 SHAPE TECHNICAL CENTER IS CALLING FOR BIDGS FOR  
3661274-0000 TWO HF DIGINTAL DATA MODEMS (MODULATOR  
3661276-0000 DEMODULATOR) WHICH WILL BE USED IN A LABORATORY  
ENVIRONMENT FOR DIGITAL DATA TRANSMISSION TESTS  
OVER MEDIUM-RANGE HF RADIO LINKS. THE MODEMS SHALL

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BE CAPABLE OF DIRECTLY INTERFACING BETWEEN THE DIG-  
ITAL DATA EQUIPMENT AND THE HF RADIO TERMINAL. THE

ESSENTIAL OPERATING FEATURES AND PHYSICAL CHARACTERISTICS OF THE MODEMS SHALL BE AS FOLLOWS.

- THE MODEMS SHALL BE CAPABLE OF TRANSMITTING AND RECEIVING DIGITAL DATA OVER HF RADIO CHANNELS SUBJECT TO FADING AND MULTIPATH EFFECTS
- THE MODULATOR SHALL BE CAPABLE OF ACCEPTING A SERIAL DATA STREAM OF 1800 BITS PER SECOND AND/OR 2400 BITS PER SECOND, FROM A DIGITAL DATA EQUIPMENT AND SHALL CONVERT THE INPUT SERIAL DATA TO A MULTIPLICITY OF LOW SPEED PARALLEL DATA OUTPUT SIGNALS FOR TRANSMISSION OVER THE HF RADIO LINK.
- THE OUTPUT SPECTRUM OF THE MODULATOR SHALL BE RESTRICTED TO A NOMINAL RANGE OF 300-3000 HZ
- THE INPUT IMPEDANCE OF THE MODULATOR SHALL BE BETWEEN 1 AND 10 KILO-OHMS
- THE OUTPUT IMPEDANCE OF THE MODULATOR AND THE INPUT IMPEDANCE OF THE DEMODULATOR SHALL BE 600 OHMS PLUS/MINUS 10 PERCENT BALANCED WITH RESPECT TO GROUND.
- THE TRANSMIT LEVEL OF THE MODULATOR SHALL BE ADJUSTABLE OVER THE RANGE MINUS 20 DBM TO PLUS 5 DBM
- THE DEMODULATOR RECEIVE LEVEL SHALL BE ADJUSTABLE OVER AT LEAST THE RANGE MINUS 3 DBM TO PLUS 3 DBM
- THE MODEMS SHALL BE OPERATED FROM A 230 VOLTS PLUS/MINUS 10 PERCENT, 50 HZ PLUS/MINUS 5 PERCENT, SINGLE PHASE, AC POWER SUPPLY.

IN ADDITION THE OUTPUT SPECTRUM OF THE MODULATOR SHALL BE RESTRICTED TO A NOMINAL RANGE OF 300-3000 HZ.

10 SETS OF BID SPECS AIRMAILED TO TRADE OPPORTUNITIES SECTION  
USDOC TODAY.  
TANGUY

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## Message Attributes

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